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SWISHER

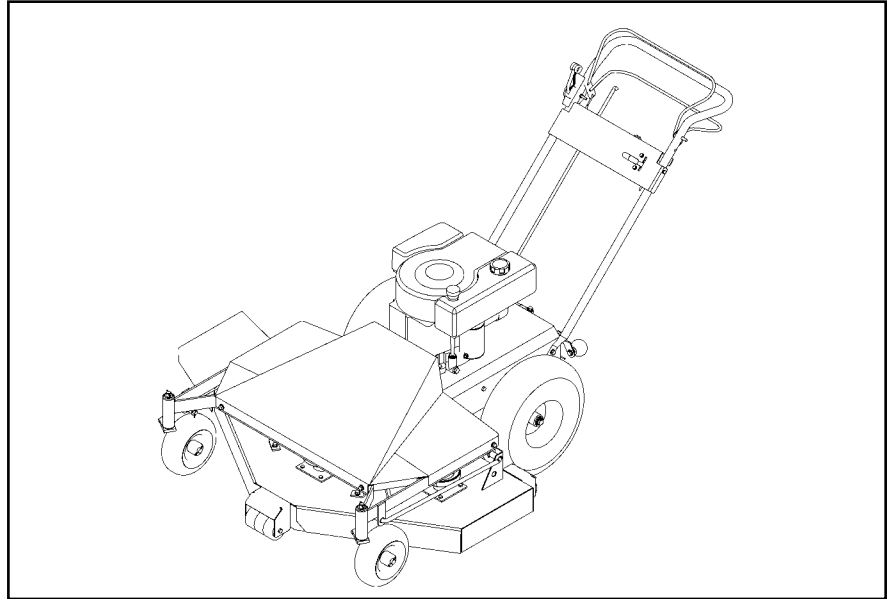
OWNER'S MANUAL

MODEL NO.
WB80042F



Read and follow all Safety
Rules and Instructions
before operating this
equipment.

Rev. 12.18.00



THE FINISHING TOUCH

42" FINISH CUT MOWER SELF PROPELLED WALK BEHIND

**Assembly
Operation
Service and Adjustment
Repair Parts**

SWISHER

1602 CORPORATE DRIVE, P.O. BOX 67, WARRENSBURG, MISSOURI 64093
PHONE (660) 747-8183 FAX (660) 747-8650

Manufacturing quality lawn care equipment since 1945

Made In The

USA

LIMITED WARRANTY

The manufacturer's warranty to the original consumer purchaser is: This product is free from defects in materials and workmanship for a period of one (1) year from the date of purchase by the original consumer purchaser. We will repair or replace, at our discretion, parts found to be defective due to materials or workmanship. This warranty is subject to the following limitations and exclusions:

- | | |
|--------------------|---|
| 1) Engine Warranty | All engines utilized on our products have a separate warranty extended to them by the individual engine manufacturer. Any engine service difficulty is the responsibility of the engine manufacturer and in no way is Swisher Mower Co., Inc. or its agents responsible for the engine warranty. The Briggs & Stratton Engine Service Hot-Line is 1-800-233-3723. The Tecumseh Engine Service Hot-Line is 1-800-558-5402. |
| 2) Commercial Use | The warranty period for any product used for commercial or rental is limited to ninety (90) days from the date of original purchase. |
| 3) Limitations | This warranty applies only to products which have been properly assembled, adjusted, and operated in accordance with the instructions contained within this manual. This warranty does not apply to any product of Swisher Mower Co., Inc., that has been subject to alteration, misuse, abuse, improper assembly or installation, shipping damage, or to normal wear of the product. |
| 4) Exclusions | Excluded from this warranty are normal wear, normal adjustments, and normal maintenance. |

In the event you have a claim under this warranty, you must return the product to an authorized service dealer. All transportation charges, damage, or loss incurred during transportation of parts submitted for replacement or repair under this warranty shall be borne by the purchaser. Should you have any questions concerning this warranty, please contact us toll-free at 1-800-222-8183. The model number, serial number, date of purchase, and the name of the authorized Swisher dealer from whom you purchased the mower will be needed before any warranty claim can be processed.

THIS WARRANTY DOES NOT APPLY TO ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES AND ANY IMPLIED WARRANTIES ARE LIMITED TO THE SAME TIME PERIODS STATED HEREIN FOR ALL EXPRESSED WARRANTIES. Some states do not allow the limitation of consequential damages or limitations on how long an implied warranty may last, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state-to-state. This is a limited warranty as defined by the Magnuson-Moss Act of 1975.

SAFETY INSTRUCTIONS



This Safety Alert Symbol indicates important messages in this manual. When you see this symbol, carefully read the message that follows and be alert to the possibility of personal injury.

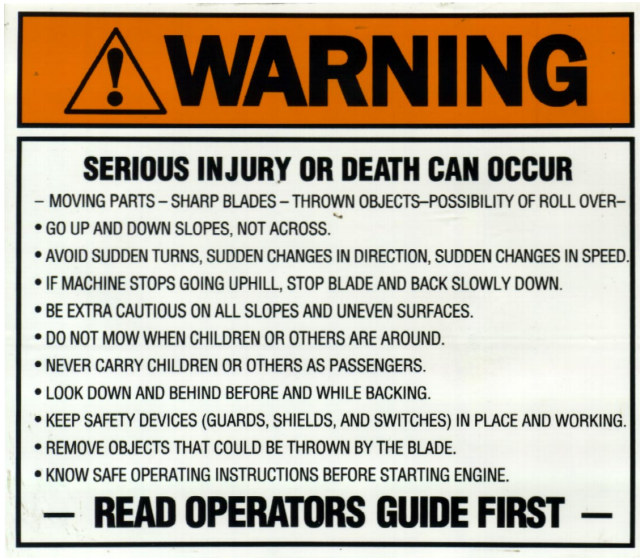
Read this manual completely. This machine is capable of amputating hands and feet, and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

- Read the manual. Learn to operate this machine safely.
- Always disconnect the spark plug wire and place the wire where it cannot contact the spark plug, to prevent accidental starting the engine when setting up, transporting, adjusting or making repairs.
- Keep all shields and guards in place.
- Understand the speed, steering and stability of this machine. Know the positions and operations of all controls before you operate this machine. Check all of the controls in a safe area before starting to work with this machine.
- Allow only responsible adults who are familiar with these instructions to operate this machine. Never allow children to operate this machine.
- Clear the area of objects such as rocks, toys, wire, etc. that can be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Be aware of the mower discharge direction and do not point at anyone. Stop the machine if anyone enters the mowing area. Children are often attracted to the machine and the mowing activity. ***Never assume that children will remain where you last saw them.*** Keep children under the watchful care of another responsible adult.
- **No riders!**
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Do not mow in reverse. Always look down and behind before and while backing.

- Turn off the blades when not mowing. Before leaving the machine, turn off the blades and stop the engine.
- Watch for traffic when operating near or crossing roadways.
- Do not operate the mower if it has been dropped or damaged in any manner or if the mower vibrates excessively. Excessive vibration is an indication of damage. Repair mower as necessary.
- Dress properly. Do not operate the mower when barefoot or wearing open sandals. Wear only solid shoes with good traction when mowing.
- Do not operate the machine while under the influence of alcohol or drugs.
- Operate walk-behind machines across slopes. There is a significant risk of slipping under a walk-behind machine when operating up and down slopes.
- Refer to provided instructions for proper operation and installation of accessories. Use only accessories and parts approved by Swisher Mower and Machine Co. Inc.
- Never tamper with safety devices. Check their proper operation regularly.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Mower blades are sharp and can cut. Wrap the blades or wear gloves, and use extra caution when servicing them.
- Always disconnect the spark plug before servicing, cleaning or unclogging the chute.
- Never operate mower in wet grass. Always be sure of your footing. Keep a firm hold on the handle and **walk**, never run.
- Stop blades when crossing gravel drives, walks or roads.

SAFETY AND OPERATIONAL DECALS

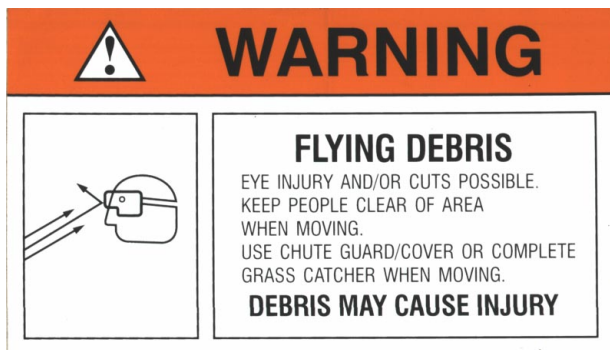
Replace decal immediately if damaged. Order by part number from Swisher Mower and Machine Co. Inc.



OD30 – WARNING DECAL



OD36 – DEFLECTOR DECAL



OD43 – FLYING DEBRIS DECAL



OD55 – DANGER DECAL



OD29 – SPINNING BLADE DECAL

OPERATING YOUR NEW CUTTER



The operation of any cutter can encounter foreign objects to be thrown into the eyes, resulting in severe eye damage. Always wear certified safety glasses or wide-vision safety goggles for over spectacles before starting any cutting machine and while operating such a machine.



The operation of any cutter produces sound waves that are damaging to the human ear. Ear protection is recommended.



CAUTION!

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. *Never assume that children will remain where you last saw them.*



SLOPE OPERATION!

Use extra caution when mowing on slopes. Operate self-propelled units up and down slopes. There is a significant risk of overturns when operating across slopes. If you feel uneasy on a slope then **do not** mow it.

PROPULSION

The Finishing Touch is self-propelled, and is controlled by a “GROUND CONTROL” bail. To engage the drive, put the transaxle in a gear and activate the lower bail. Releasing the bail will disengage the self-propel and activate the parking brake.

Under most conditions cutting should be done in a low gear (1st, 2nd or, 3rd). Upper gears should be used for conditions where grass is thinned out or not as tall. In confined areas the machine can be pushed forwards or backwards by releasing the “GROUND CONTROL” bail, placing the transaxle in neutral, re-activating the “GROUND CONTROL” bail, which releases the parking brake, and then maneuvering the machine. **This machine should not be operated in any reverse motion with the blades engaged.**

TRAVEL SPEED can be varied by choosing a higher or lower gear using the gearshift lever at the rear of the machine or by changing the engine speed with the engine throttle. Do not adjust speed with blades engaged. To shift the cutter into reverse, release “GROUND CONTROL” bail, disengage blade, and rotate the shift lever to the left. When the lever stops, lift up and continue to turn it to the left until it stops again.

BLADE ENGAGE

An “OPERATOR PRESENCE” bail and a “BLADE ENGAGE” latch together control engaging the mowers blades. The bail must be engaged before activating the latch. Releasing the “OPERATOR PRESENCE” bail will disengage both the blade and the “BLADE ENGAGE” latch.

STARTING THE ENGINE

- See engine manufacturer’s instructions for the type and amount of oil and fuel used. Engine must be level to accurately check and fill oil.
- Make sure unit is level, blades disengaged, and transaxle in “NEUTRAL”.
- Check spark plug wire, oil, and fuel.
- Turn key switch to the “ON” position.
- Set engine idle to the “CHOKE” position.
- With feet clear of cutter deck, pull engine starter rope. Do not pull rope recklessly, pull with a smooth rapid movement.
- Set engine speed by moving throttle lever to the desired RPM.

STOPPING

- Bring cutter to a complete stop.
- Release all controls.
- Place transaxle in the “NEUTRAL” position.
- Turn key to “OFF” position.
- Remove keys to avoid irresponsible usage.



CAUTION!

Disconnect spark plug wire and place the wire where it cannot connect the spark plug before servicing unit.

BREAKING IN YOUR CUTTER

- Start engine properly.
- Slowly, engage blades.
- Under supervision, allow blades to rotate and engine to idle for 5 minutes.
- Disengage blades.
- Shift through each gear. While in each gear engage the “GROUND CONTROL” bail and travel 20 yards to ensure transaxle works properly.

BEGIN CUTTING

- Make sure area is clear of all bystanders.
- Make sure that all the guards, belt guides, and the spark plug wire are properly attached.
- Start engine, setting desired engine speed. Note: This machine is designed to operate at maximum engine speed.
- Slowly, engage blade.
- Move transaxle into low gear and activate “GROUND CONTROL” bail.
- Turning is done by rotating the handles left or right. This machine has significant weight and may take more effort to turn than one may expect. Turning could take practice.



CAUTION!

Chock wheels while parked on a hillside.

BACKING UP

- Disengage blades by releasing “OPERATOR PRESENCE” bail. Engine will stop if blades are not disengaged.
- Check behind you for safety.
- Move transaxle into “REVERSE” position.
- Activate “GROUND CONTROL” bail.
- Avoid sudden acceleration by slowly squeezing the bail control.

TRANSPORTING

- Disengage blades.
- Shut off engine and remove keys.
- When lifting cutter, using 3 persons is recommended.
- Secure in place while unit is being transported.
- Unit should be left in low gear to avoid any slight rolling.

CUTTING HEIGHT

Adjust cutting height by cranking lower left handle in the rear of the mower either clockwise or counter-clockwise. In tall grass it may be necessary to mow at a higher setting, then mow again at a lower setting to achieve a well-groomed lawn.

SUGGESTED PRACTICES

- Always operate engine at full throttle when cutting to assure the best cutting performance and proper discharge of material.
- If grass is wet, allow it to dry out. Wet grass clumps and will collect on the bottom of the deck.

- When cutting dense areas go slow. Some dense areas may need to be gone over twice. Best results occur if the second cut is 90 degrees to the first cut.

MOVING THE MOWER WITHOUT ENGINE POWER

- Placing the gear select lever in the neutral position and activating the “GROUND CONTROL” bail can manually maneuver the mower.

TURNING THE MACHINE

- Because of the ball-bearing casters and pneumatic front wheels this machine will turn easily. Pushing the handlebars in the opposite direction of intended travel controls it. The differential will allow the inside wheel to rotate at different speeds to the outer wheel. Reduce ground speed before turning the mower. For tight radius turns, disengage the “Ground Control” bail and maneuver the turn.

CUTTER MAINTENANCE

GENERAL RECOMMENDATIONS

The warranty on this cutter does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain unit as instructed in this manual.

Some adjustments will need to be made periodically to maintain your unit properly.

All adjustments in the service and adjustments section of this manual should be checked at least once each season.

- **NEVER RUN AN ENGINE INSIDE AN ENCLOSED AREA!**

STORAGE RECOMMENDATIONS

⚠ CAUTION! Do not store engine indoors or other poorly ventilated area. Keep engine away from gas appliances where fumes could contact open flame, pilot lights, or sparks.

If engine is to be stored for 30 or more days, prepare unit as follows:

- ⚠**
- Drain fuel outside into an approved container.
 - Start engine properly and run until unit is out of fuel.
 - Let engine cool.
 - Remove remaining gasoline from carburetor and fuel tank to prevent gum deposits from forming within the engine. Gum deposits can malfunction the engine.

BEFORE EACH SEASON

- Replace the spark plug.
- Clean or replace the air filter.
- Check blades and belts for wear.
- A new spark plug and clean air filter assure proper air-fuel mixture and help your engine run better and last longer.

BEFORE EACH USE

- Check engine oil level, on a level surface. (Check twice to insure an accurate reading.)
- Check condition of air filter; clean or replace if necessary.
- Check blade operation; keep blades in good condition.
- Check for loose fasteners and tighten them as needed.

BLADE CARE AND SERVICE

For best results cutter blades must be kept sharp. The blades can be sharpened with a few strokes of a file or grinding wheel. Do not attempt to sharpen blades while they are on the cutter. ***Disconnect spark plug wire before servicing unit.***

Important: Replace blades that have been damaged or deeply nicked.

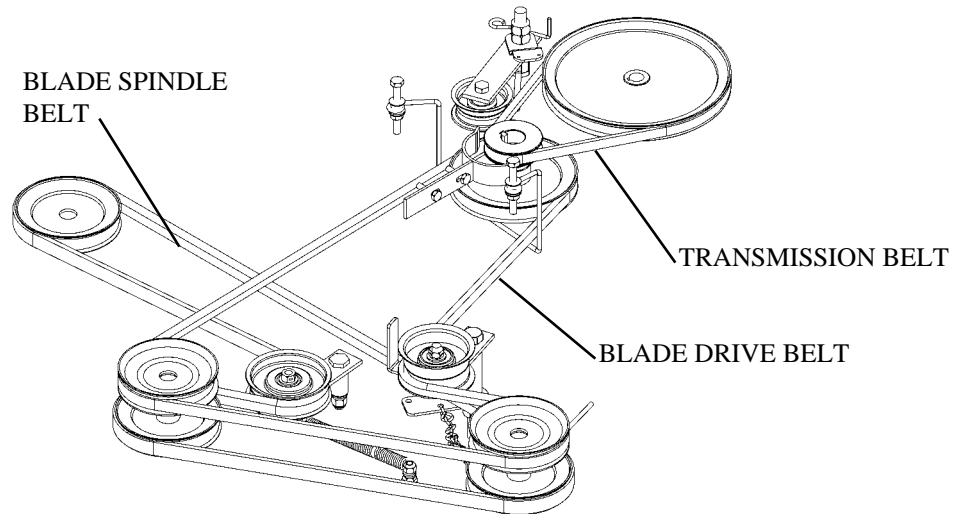
Important: Check blades and spindle hardware on a regular basis to make sure nuts are tight.



Only a qualified mechanic should be used for any adjustments, disassembly or other kind of repairs

SERVICE AND ADJUSTMENTS

Stop engine, let all moving parts come to a complete stop. Disconnect spark plug.



BELTS CONFIGURATION

BLADE SPINDLE BELT REPLACEMENT

REMOVAL

- *Stop engine, let all moving parts come to a complete stop. Disconnect spark plug.*
- Remove belt cover.
- Remove Blade Drive Belt. (See Blade Drive Belt replacement.)
- Pull tension idler away from Blade Spindle Belt to relieve tension.
- Remove belt.

INSTALLATION

- Pull tension idler away from belt.
- Install belt according to above configuration.
- Install Blade Drive Belt as shown.
- Install belt cover and tighten hardware.

BLADE DRIVE BELT REPLACEMENT

REMOVAL

- *Stop engine, let all moving parts come to a complete stop. Disconnect spark plug.*
- Disengage all blade controls by releasing the bails.
- Remove belt cover.
- Rotate belt off pulleys and pull belt through motor belt guide.

INSTALLATION

- Route belt as shown.
- Adjust engage idler tension. Belt should be snug during engagement of blade latch. Too much tension will not allow the blade latch to function properly.
- Tighten nuts on blade engage cable when finished.
- Install belt cover and tighten hardware.

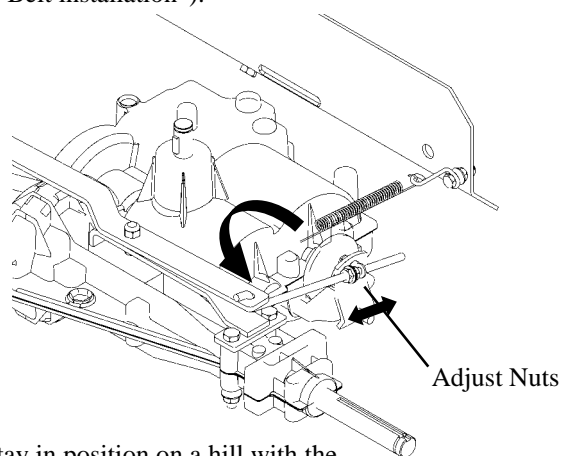
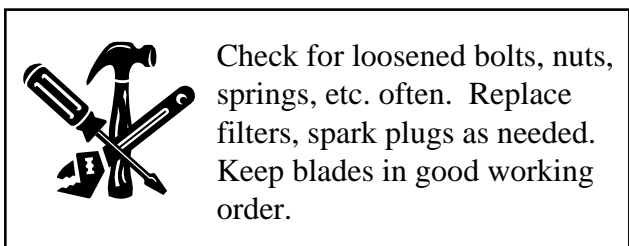
WHEEL DRIVE BELT REPLACEMENT

REMOVAL

- *Stop engine, let all moving parts come to a complete stop. Disconnect spark plug.*
- Remove belt cover.
- Remove Blade Drive Belt, (See “Blade Drive Belt replacement”)
- Locate belt guide for wheel drive belt and loosen.
- Remove wheel drive belt.

INSTALLATION

- Install belt as shown.
- Adjust belt guide snug against motor pulley and back off ¼”.
- Tighten belt guide hardware.
- Install Blade Drive Belt (see “Blade Drive Belt installation”).
- Install belt cover and tighten hardware.



WHEEL BRAKE ADJUSTMENT

Adjustment may be necessary if the unit does not stay in position on a hill with the operator bails released, or if the brake drags while in neutral with the “GROUND CONTROL” bail engaged.

PROCEDURE

- *Stop engine, let all moving parts come to a complete stop. Disconnect spark plug.*
- Release “GROUND CONTROL” bail.
- Adjust nuts forward or backward. When the “GROUND CONTROL” bail is disengaged there should be constant tension on the brake arm.
- All tension should be off brake arm when “GROUND CONTROL” bail is engaged.
- Tighten adjustment nut when finished and re-attach spring, if necessary.

WHEEL DRIVE BELT ADJUSTMENT

Adjustment may be necessary if loss of traction occurs due to belt slippage.

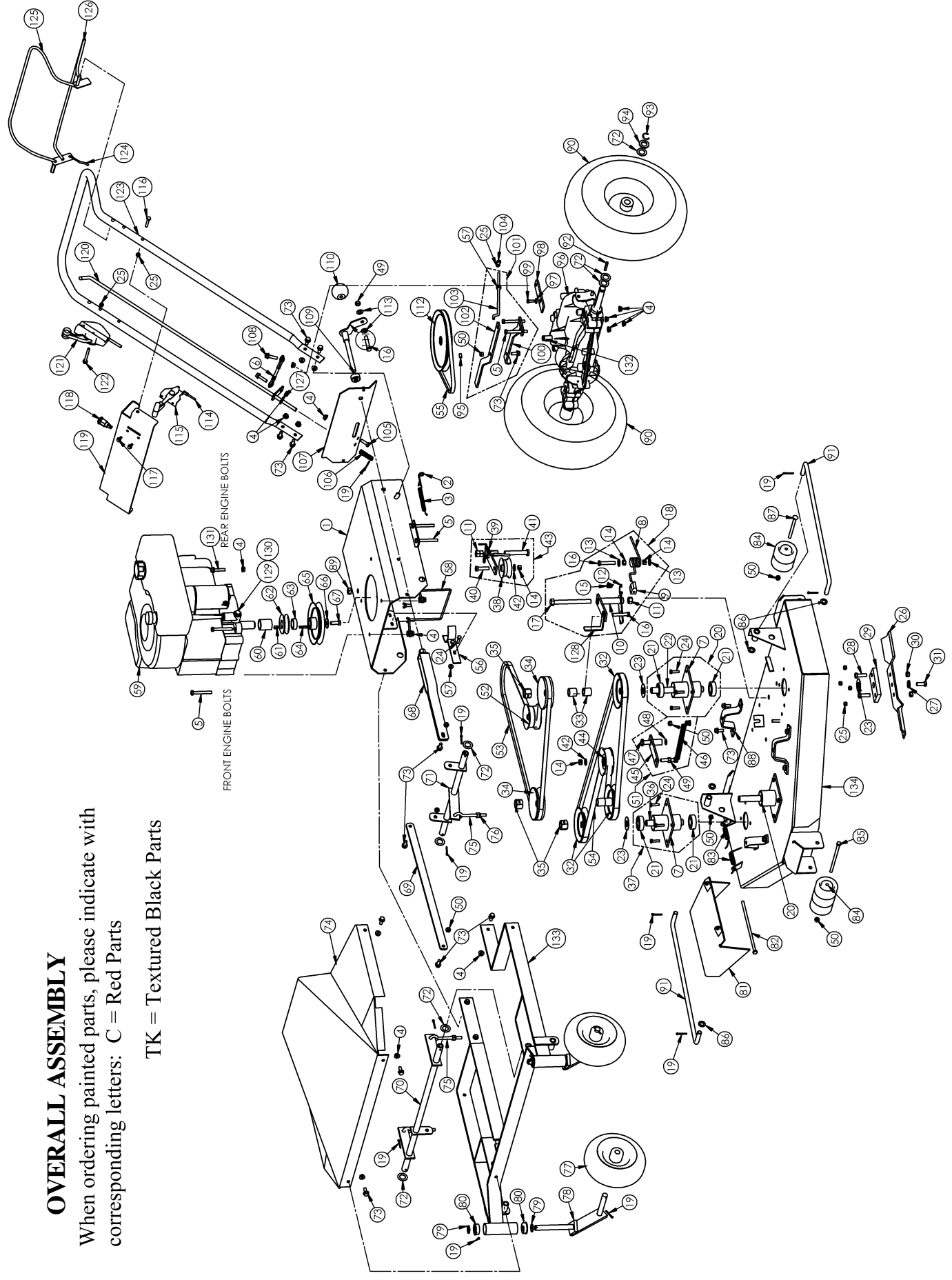
PROCEDURE

- Adjust “GROUND CONTROL” cable in or out to achieve maximum traction.
- Too much tension will not allow the “GROUND CONTROL” bail to fully activate.
- Too little tension will allow the belt to slip, resulting in loss of traction.
- “GROUND CONTROL” bail should fully close against handlebars when functioning properly.

OVERALL ASSEMBLY

When ordering painted parts, please indicate with corresponding letters: C = Red Parts

TK = Textured Black Parts



REPLACEMENT PARTS

When ordering painted parts, please indicate with corresponding letters: C = Red Parts;
TK = Textured Black Parts (ex. 4207TK, 4237C)

Item #	Description	Part #
1	Motor Base	4270
2	Wire Link	BRS6H
3	Link Spring	T2SM
4	5/16-18 Serrated Flange Nut	NB170
5	5/16-18 x 2 1/2 Grade 5 Bolt	NB138
6	Shift Linkage	4282
7	Blade Driver Housing	B99
8	Brake Spring	BT297
9	Brake Pad	BP370
10	Blad Engage Idler	4262
11	1/2 -13 Nut	NB213Z
12	Brake Pad Clip	BP370S
13	5/16 Flat Washer	NB556
14	3/8 -16 2-way Locknut	NB280
15	5" Chain Links	AS080
16	3/8-16 x 2 Grade 2 bolt	NB231
17	1/2-13 x 5 Grade 5 bolt	NB155
18	Blade Engage Idler Kit	4280
19	1/8 x 1 Cotter Pin	NB126
20	Center & Left Blade Driver Kit	9080
21	Blade Bearing	B98
22	Center & Left Blade Shaft	9075
23	Washer	B98W
24	1/4-20 x 1 Grade 5 Bolt	NB102
25	1/4-20 Nylock Nut	NB180
26	15" Blade	4221
27	Serrated Belleville Washer	NB607
28	3/8 - 24 x 1 1/4 Grade 5 Bolt	NB166
29	Blade Mounting Plate	9008
30	3/8-24 2 Way Lock Nut	NB216
31	3/8-24 x 1 Grade 5 Bolt	NB238N
32	Lower Blade Pulley	B4104
33	Pulley Spacer	6104RS
34	Upper Blade Pulley (Center & Left Only)	B104
35	3/4-16 2 Way Lock Nut	NB629
36	Right Blade Shaft	9077
37	Right Blade Driver Kit	9079
38	Transmission Idler Pulley	B27
39	Transmission Idler	4276
40	3/8-16 x 1 1/2 Grade 5 Bolt	NB107
41	1/2-13 x 2 1/2 Grade 5 Bolt	NB588
42	3/8 SAE Washer	NB272
43	Transmission Idler Kit	4281
44	Tension Idler Pulley	B527
45	Tension Idler	6681

REPLACEMENT PARTS

When ordering painted parts, please indicate with corresponding letters: C = Red Parts;
TK = Textured Black Parts (ex. 4207TK, 4237C)

Item #	Description	Part #
46	Tension Spring	682S
47	1/2 x 1 9/16 Shoulder Bolt	NB220
48	5/16 SAE Washer	NB275
49	3/8-16 Grade 2 Nut	NB212
50	5/16-18 Nylock Nut	NB181
51	Tension Idler Kit	4263
52	Blade Engage Pulley	7509
53	Blade Drive Belt	4220
54	Blade Spindle Belt	4219
55	Wheel Drive Belt	2414
56	Transmission Belt Guide	2451
57	1/4-20 Flange Nut	NB524
58	Blade Drive Belt Guide	4234
59	8HP B&S Engine	N/A
60	Upper Engine Spacer	689L
61	1/4 x 1/2 Key Stock	4258
62	Upper Engine Pulley	2411
63	Lower Engine Spacers	BB105SL
64	1/4 x 1 Key Stock	9031
65	Lower Engine Pulley	688
66	Belleville Washer	699
67	7/16-20 x 1 1/2 Grade 5 Bolt	NB637
68	Height Adjust Arm	4275
69	Front / Rear Torsion Connector	4235
70	Front Torsion Bar	4233
71	Rear Torsion Bar	4236
72	3/4 x 18 GA Washer	NB179
73	5/16-18 x 3/4 Serrated Flange Bolt	NB596
74	Plastic Belt Cover	4257
75	3/8-16 x 3 Eye Bolt	NB635
76	3/8-16 Nylock Nut	NB182
77	Front Tire & Wheel	4218
78	Caster	4266
79	5/8 x 10 GA Washer	NB149
80	5/8 Flanged Bearing	F157B
81	Grass Chute	4261
82	5/16-18 x 8 1/2 Grade 2 Bolt	NB136
83	Grass Chute Spring	CH5S
84	Plastic Roller	AS001
85	5/16-18 x 5 1/2 Grade 5 Bolt	NB521
86	1/2 x 14 GA Washer	NB177
87	5/16-18 x 4 Carriage Bolt	NB101
88	Hanger Bracket	4216
89	1/2-13 2 Way Jam Lock Nut	NB121
90	Rear Tire & Wheel	4217

REPLACEMENT PARTS

When ordering painted parts, please indicate with corresponding letters: C = Red Parts;
TK = Textured Black Parts (ex. 4207TK, 4237C)

Item #	Description	Part #
91	Sway Bar	4207
92	3/16 x 1 1/2 Keystock	2434
93	3/4 E-Clip	NB621
94	3/4 x 10 GA Washer	NB184
95	5/16-18 x 1/2 Set Screw	NB192
96	4 Speed Transmission	4256
97	1/4 SAE Washer	NB274
98	Shift Link	4223
99	1/4-28 x 3/4 Grade 5 Bolt	NB620
100	Brake Mount	4273
101	Brake Mount Kit	4271
102	Transaxle Brake Pivot	4247
103	Transaxle Brake Link	4264
104	1/4-20 x 3/4 Eye Bolt	V139EB
105	5/16-18 x 1 Grade 5 Bolt	NB501
106	Gear Shift Spring	TR148S
107	Rear Cover	4237
108	5/16-18 x 1 1/4 Serr. Flange Bolt	NB253
109	Thrust Bearing	T151
110	Plastic Knob	4857
111	Crank Handle	4274
112	Transmission Pulley	2410
113	3/8 Hardened Washer	NB196
114	Wiring Harness	4268
115	Throttle Control	4226
116	1/4-20 x 1 1/2 Grade 2 Bolt	NB104
117	1/4-20 x 1/2 Self-tapping Bolt	NB114
118	ON/OFF Key Switch	KSM
119	Throttle Console	4213
120	Gear Shifter	4260
121	Blade Engage Latch	4254
122	1/4-20 x 2 1/2 Grade 5 Serr. Flange Bolt	NB208
123	Operator Handle	2402
124	Transmission Cable	2432
125	Operator Presence Bail (Upper)	2429
126	Ground Control Bail (Lower)	2458
127	3/16 x 1 Roll Pin	NB123
128	Belt Guide	4283
129	Oil Drain Cap	AS123
130	Oil Drain Valve	AS122
131	5/16-18 x 1 1/2 Serr. Flange Bolt	NB254
132	3/16 x 3/4 # 9 Woodruff Keystock	NB638
133	Frame	4269
134	Deck	4250



**OWNER'S
MANUAL
MODEL NO.
WB80042F**

**THE FINISHING TOUCH
42" FINISH CUT MOWER SELF PROPELLED
WALK BEHIND**

Each cutter has its own model number. Each engine has its own model number. The model number for the cutter will be found on the right hand side of the motor base. The model number for the engine will be found on the top of the blower fan housing.

All cutter parts listed herein may be ordered directly from Swisher Mower & Machine Co. Inc. or your nearest Swisher dealer.

All engine parts may be ordered from the nearest dealer of the engine supplied with your cutter.

WHEN ORDERING PARTS, PLEASE HAVE THE FOLLOWING INFORMATION AVAILABLE:

- * PRODUCT – FINISHING TOUCH
- * SERIAL NUMBER - _____
- * MODEL NUMBER - _____
- * ENGINE MODEL NUMBER - _____
- TYPE - _____
- * PART NUMBER
- * PART DESCRIPTION

TELEPHONE - 1-800-222-8183

FAX - 1-660-747-8650

SWISHER MOWER & MACHINE CO. INC.

1602 CORPORATE DRIVE P.O. BOX 67

WARRENSBURG, MO 64093

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